



The Clean Water Partnership

New Carrollton Town Hall Meeting

February 5, 2020

Kristina Bigby, CWP Outreach Coordinator

Briers Mill Run Restoration Presentation

Wednesday, February 5, 2020

- Introduction
- Project Details
- Q&A

A photograph of a turtle, likely a Western Painted Turtle, resting in a stream surrounded by green vegetation. The turtle's head is visible on the left, with its distinctive red eye and yellow markings. The background is a soft-focus view of the stream and surrounding plants.

Program Scope

Plan, design and build stormwater retrofit projects across Prince George's County

- The goal is to retrofit 4000 impervious acres
- 30 years of functional maintenance of all devices installed
- Local, small and minority owned businesses perform 30-40% of work
- Community and social economic development through alternative compliance with faith based and 501c3 organizations, mentor protégé program and the school's program

Integrated Delivery Team

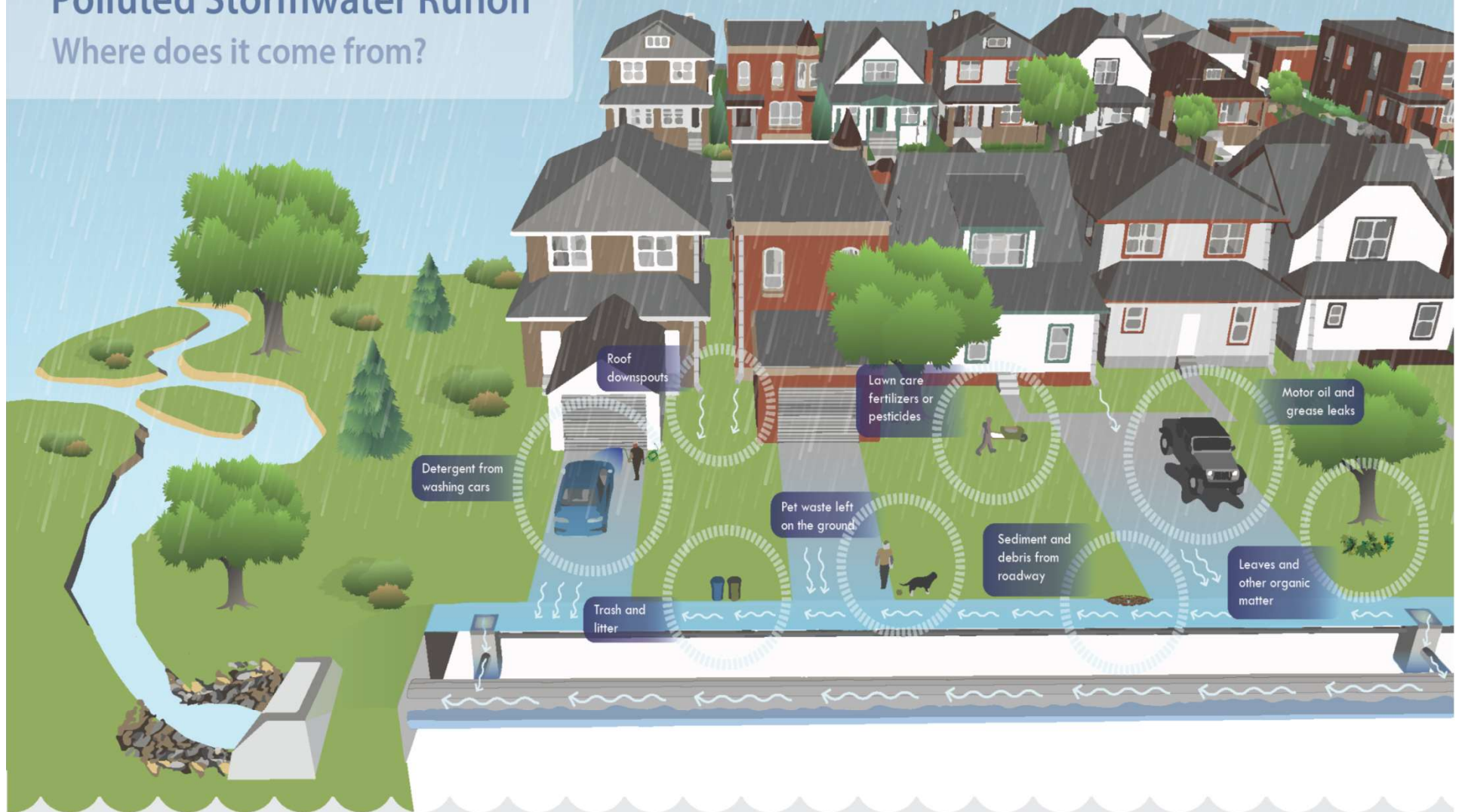


Community Outreach Meetings

- **Wednesday, October 16, 2019**
 - Presentation to New Carrollton City Council
- **Tuesday, November 5, 2019**
 - On –site meeting with community members and Soltesz to flag trees that can most likely be preserved
- **Tuesday, November 12, 2019**
 - Presentation to New Carrollton Green Team
- **Wednesday, December 11, 2019**
 - Town Hall Meeting
 - CWP program will present on current design plans for Briers Mill Run stream restoration
- **Wednesday, February 5, 2020**
 - Second Presentation to New Carrollton City Council

Polluted Stormwater Runoff

Where does it come from?



CLEAN WATER PARTNERSHIP

The Clean Water Partnership delivers functional and sustainable stormwater retrofit projects throughout Prince George's County. The program is committed to supporting local small businesses, residents, schools, non-profits and others in their efforts to clean up our waters and beautify the County. Visit www.thecleanwaterpartnership.com to learn more. Problems? Call the help line at 301-291-2259.



What Does This Mean for the Community?

- Prince George's County, in alliance with the CWP has been working on the planning and design of a stormwater management project at Briers Mill Stream, extending from Jodie Street to 85th Place.
- The CWP program will implement and construct stream restoration best management practices (BMP) and is committed to upgrade and maintain the installed BMP.

**Estimated Construction Start:
July 2020**

What is Stream Restoration?

- A process that stabilizes eroded streams by returning them to a healthy state
- A BMP that improves water quality
- There are several stream restoration techniques and each restoration project is unique



Why is Stream Restoration Important?

- Approximately 75% of all sediment pollution in the Anacostia Watershed is caused by erosion of riverbanks and river bottoms.
- Stream restoration can help reduce the amount of sediment pollution entering the watershed while improving stream health and enhancing wildlife habitat.
- Restoring the stream helps Prince George's County meet Municipal Separate Storm Sewer System (MS4) Federal requirements.

Stream Erosion Examples

Large flows of water from impervious surfaces can cause severe erosion and flooding, which can damage buildings, yards and structures and reduce nearby property values.



This stream example is not located in Maryland.



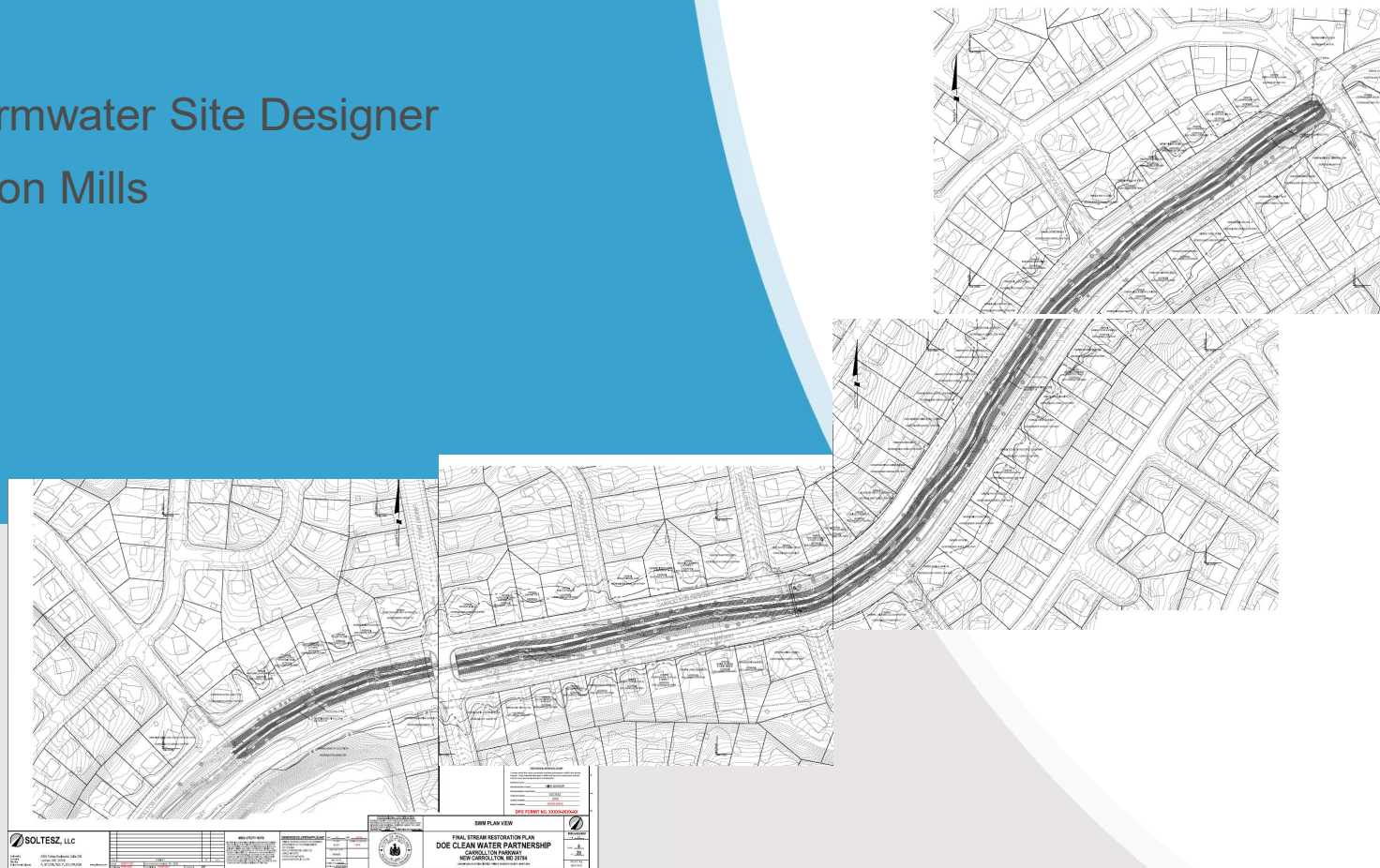
Location: Laurel, MD

How will restoring streams benefit the community?

- Reduces the amount of stormwater runoff
- Helps with erosion control
- Saves on future infrastructure needs/cost
- Provides environmental improvements

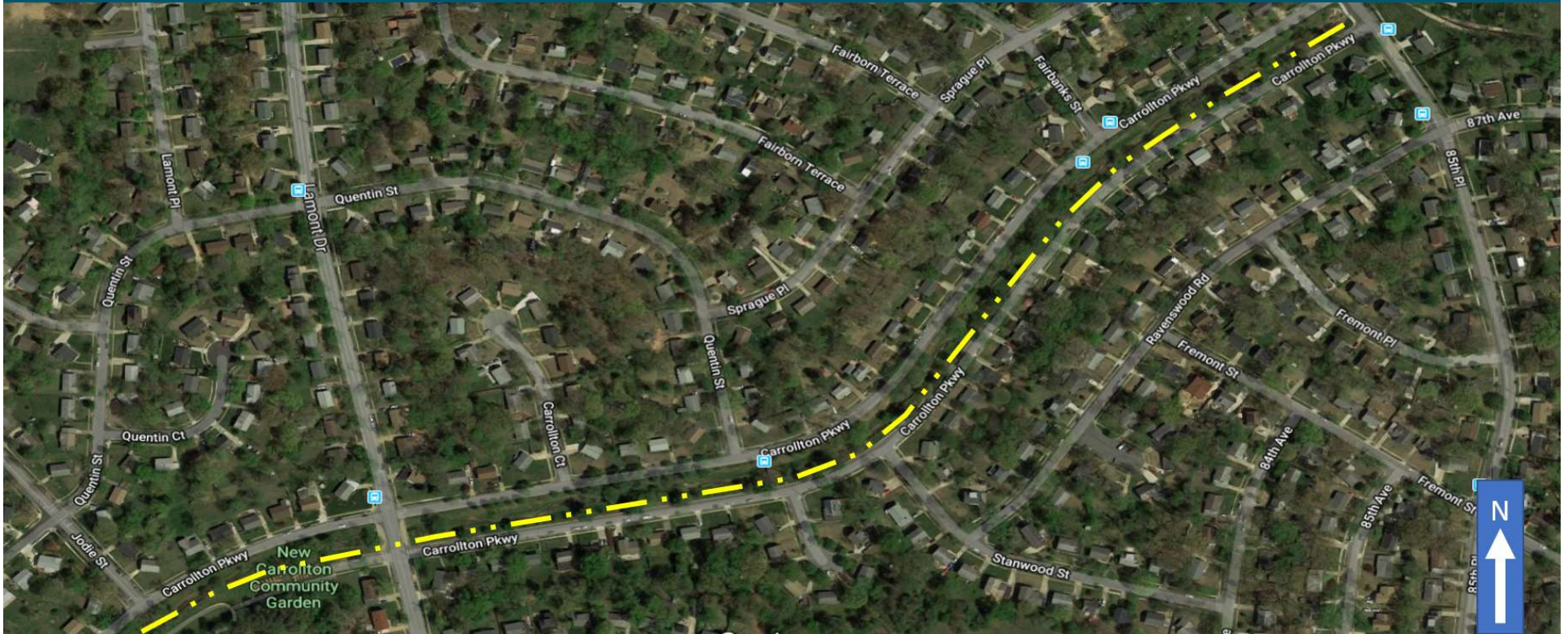
Revised Project Details: Briers Mill Run

Stormwater Site Designer
Jason Mills



Proposed Stream Restoration Location

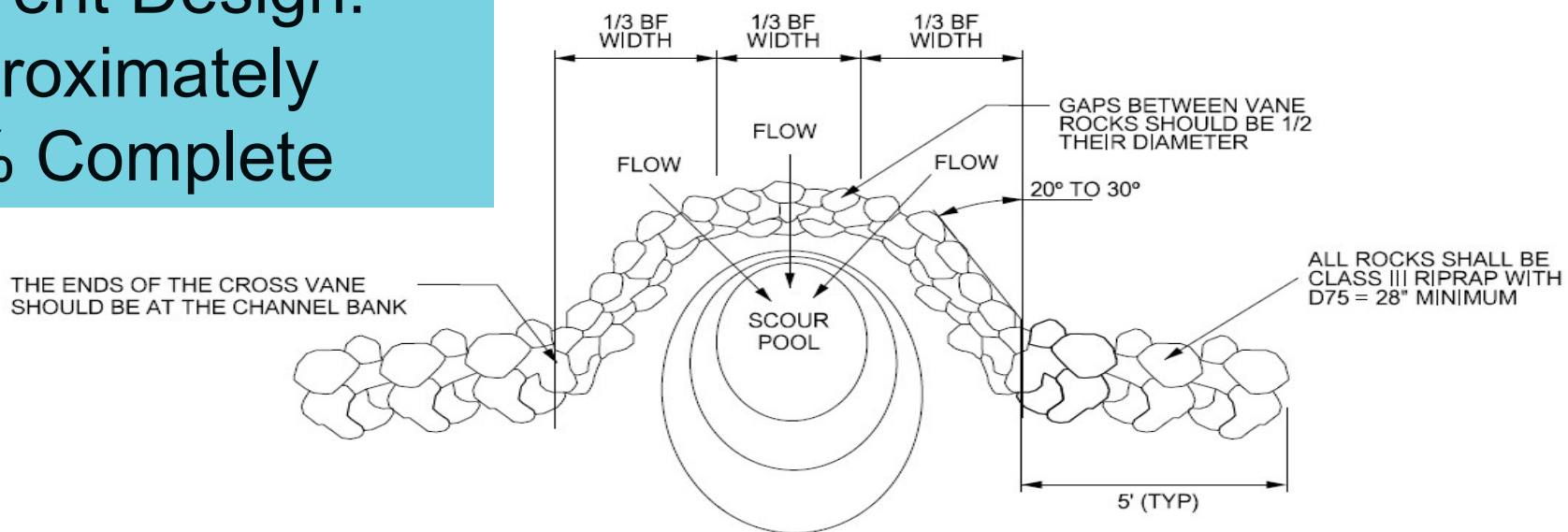
Along Carrollton Parkway from Jodie Street to 85th Place



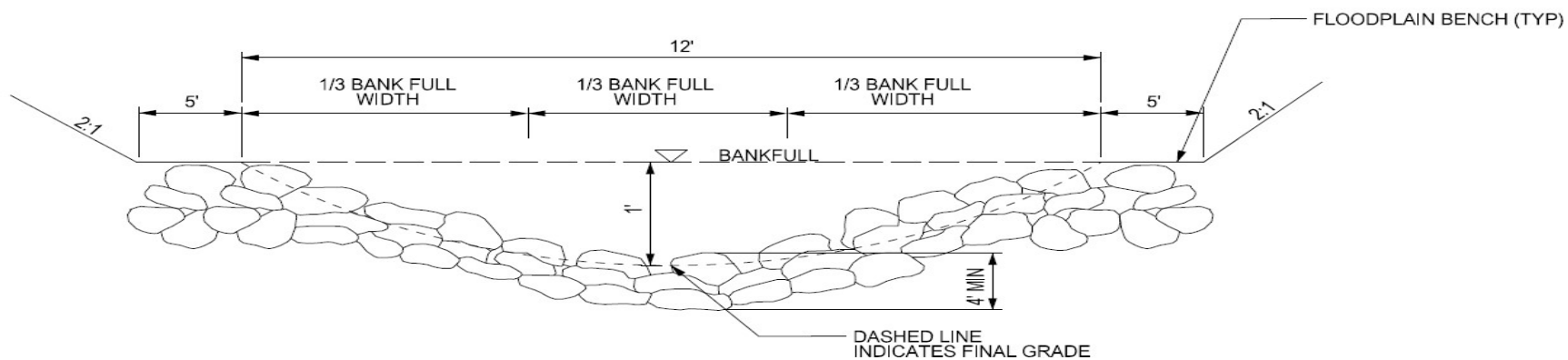
Current Design: Approximately 70% Complete

- Natural erosion control best practices will be implemented
- A bio-degradable product will be used to stabilize the stream bank
- Remove trees from the stream area
- **New trees will be installed** along the top of the bank
- Remove invasive vegetation
- Install native plants and shrubs

Current Design: Approximately 70% Complete



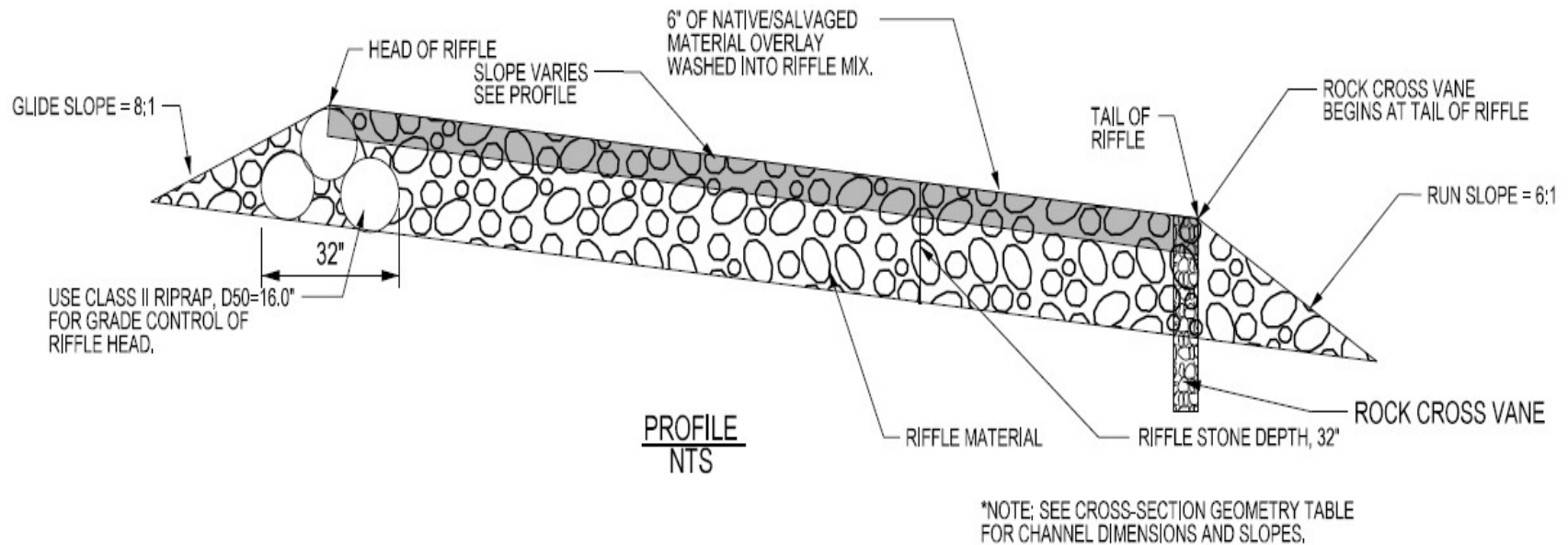
ROCK CROSS VANE PLAN VIEW



ROCK CROSS VANE CROSS-SECTION VIEW

SCALE: NTS

Current Design: Approximately 70% Complete



TYPICAL ENGINEERED RIFFLE

SCALE: NTS

Proposed Best Management Practices (BMP)



Cross Vane



Riffle Pool Spacing

Proposed Best Management Practices (BMP)



Large Pool

Proposed Best Management Practices (BMP)



Large Pool

Briers Mill Run - Current Conditions



Briers Mill Run - Current Conditions



Briers Mill Run - Current Conditions



Design/Construction Schedule Highlights *

- Design completion/permit approval – March 2020
- Anticipated project start date – July 2020

* All dates are approximate, weather permitting



Questions?

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The Clean Water
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Kristina.Bigby@thecleanwaterpartnership.com